ERIS-RANGE

ENVIRONMENTAL RESTORATION INFORMATION SYSTEM (ERIS)-RANGE

The Environmental Restoration Information System (ERIS)-Range is used to store information on the impact of live fire training/testing on the environment. ERIS-Range is a Web-based interactive application that gives installation and Army headquarters staff access to range environmental data. It was designed to support the Army's Range Sustainment and Munitions Response Programs by facilitating data collection, analysis and reporting. This application allows easy, rapid data entry and retrieval by remedial project managers, engineers, chemists, geologists, geographers, and laboratories, while providing access to the latest analytical tools for Army users such as an incorporated Web-based Geographical Information System (GIS).

BACKGROUND

ERIS-Range was originally deployed in March 2004 to store data on the actual environmental impacts of live fire training/testing in a variety of climates and geologic conditions. All ranges will have a qualitative (record review, site inspection) assessment and, if warranted, proceed to quantitative studies. The quantitative range assessments are media studies (soil, groundwater, surface water and sediments, etc.) that focus on likely pathways for munitions constituents to migrate off the range. The quantitative range assessment will include an evaluation of the potential risk posed by munitions constituents to human health and the environment.
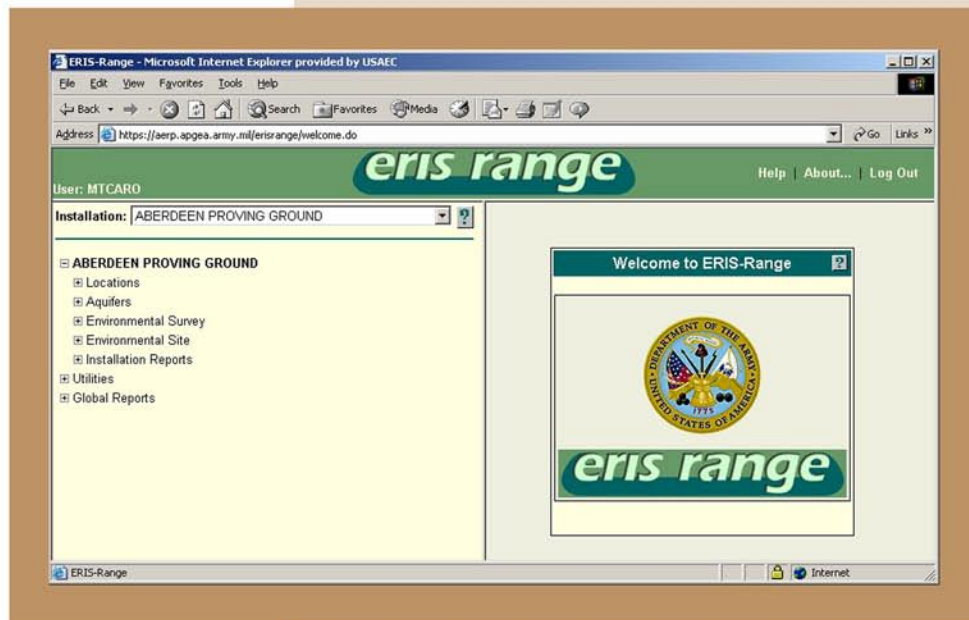
How It Works

Organizations can enter data through easy-to-use screens or file upload. Users will have real-time Web access to the data for use in decision-making. The data is password protected for installation level security and control. A Geographical Information System (GIS) component provides a Web-based mapping tool allowing the user to view maps of infrastructure and environmental features on selected Army installations.

Specifically, ERIS-Range will allow the Army to:

- Defend training activities from further regulatory restrictions
- Develop a better estimate of future range environmental liabilities
- Educate the public and regulatory agencies regarding the true environmental impacts of Army training/testing